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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XV, No. 9 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — September, 1967

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1967, averaged 98,045 barrels daily, an increase of 3,982 barrels from the average August production of 94,063.

The nine refineries in state processed 109,656 barrels of crude oil daily for the month of September, 1967, a decrease of 3,017 barrels from the 112,673 barrels processed daily during the month of August, 1967.

During September, 44 wells were completed, 22 oil, 1 gas well and 21 dry holes.

During September, the commission issued 138 permits to drill new wells, an increase of 35 from the 103 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF SEPTEMBER, 1967

IN STORAGE SEPTEMBER 1st	
By Producers	328,208
By Transporters	1,225,921
By Refiners	600,931
TOTAL STORAGE	2,155,060
Produced in Montana During Month	2,941,370
Imported During Month	2,450,294
TOTALS	7,546,724
DISPOSITION:	
Refined in Montana	3,289,690
Exported	2,290,929
Used for Fuel or Lost	18,050
TOTAL	5,598,669
IN STORAGE SEPTEMBER 30th	
By Producers	346,297
By Transporters	987,145
By Refiners	614,613
TOTAL STORAGE	1,948,055

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1967

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	48,787
Bowdoin	73,706
Bowes	48,890
Cabin Creek	102,445
Cedar Creek	117,484
Cut Bank (Including Reagan)	776,683
Devon	0
Dry Creek	646
Elk Basin	61,559
Flat Coulee	2,829
Gold Butte	0
Golden Dome	0
Grandview	2,266
Hardin	3,897
Keith Block	203,809
Kevin Sunburst	34,887
Lake Basin	108,447
Middle Butte	5,472
Mt. Lilly	0
Pine	68,148
Plevna	10,652
Utopia	0
Whitlash	101,830
Miscellaneous	203,954
TOTAL	1,976,391

Total withdrawals for September, 1966 were 2,130,228

PRODUCERS REPORT—MONTH OF SEPTEMBER, 1967

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	698	4,000		4,000		698
	Bannatyne		589					589
5	Bear's Den	7	1,229	1,225		1,000		1,454
8	Bell Creek	20	1,048	148,448		121,188	786	27,522
1	Benrud	1	561	1,320	1,576			305
1	Benrud East	1	992	8,200	8,702			490
1	Benrud Northeast	1	639	11,197	10,960			876
1	Berthelote	1	394	611	562			443
6	Big Wall	6	2,672	24,421	25,511			1,582
5	Blackfoot	8	1,573	3,464	1,404	2,406		1,227
	Blackfoot East		40					40
4	Border	6		1,628		1,628		
1	Bowes	45	3,060	14,390	12,650			4,800
2	Bradley	2	677	833	814			696
2	Brady	2	322	540	487			375
	Bynum		219					219
2	Cabin Creek	104	8,794	298,339	300,526			6,607
16	Cat Creek	75	2,585	19,967	15,971	3,372	190	3,019
1	Clark's Fork	1	162	174		182		154
2	Conrad South	2	662	1,461	1,461			662
1	Cupton	1	1,368	182	889			661
155	Cut Bank	993	88,858	288,691	287,728	3,917		85,904
2	Deer Creek	3	729	3,052	2,719			1,062
1	Delphia	1	306	310		196		420
1	Devil's Basin	1	599	30				629
1	Dry Creek	1	69	274		343		
14	Dwyer	15	5,898	23,052	23,063		72	5,815
4	Elk Basin	58	2,345	220,733	221,077			2,001
5	Elk Basin Northwest	14	2,129	11,321	10,639			2,811
4	Fairview	4	4,563	32,507		33,772	519	2,779
2	Fertile Prairie	2	1,104	1,209	1,193			1,120
23	Flat Coulee	30	5,547	15,894	16,713			4,728
39	Flat Lake	56	5,551	83,520	83,298			5,773
1	Flat Lake South	1	774	1,417	1,849			342
2	Frannie	2		980	980			
16	Fred & George Creek	35	3,101	93,982	91,233	3,773		2,077
1	Gage	1	839	300		300		839
4	Gas City	23	4,974	38,072	35,828			7,218
10	Glendive	13	2,807	36,972	28,977	8,396		2,406
21	Goose Lake	27	5,613	64,680	66,615			3,678
9	Graben Coulee	27	4,488	11,889	10,446	2,049		3,882
	Grandview		528					528
3	Gypsy Basin	5	1,167	534	396		140	1,165
4	Hiawatha	4	2,986	19,865		18,479		4,372
1	Hibbard	1	704	246		593		357
6	Ivanhoe	10	1,627	13,795	13,285		62	2,075
9	Keg Coulee	26	5,759	22,902	21,333			7,328
3	Keg Coulee North	3	1,027	1,348	1,372			1,003
1	Kelley	2	776	11,958	11,940			794
115	Kevin Sunburst	616	15,434	36,543	34,673	1,098		16,206
1	Little Beaver	29		30,568	30,568			
2	Little Beaver East	14	2,418	19,288	19,203			2,503
3	Lodge Grass	3	1,302	2,838		2,966		1,174
24	Lookout Butte	77	4,666	141,278	140,945			4,999
2	Mackay Dome	2	1,095	13		520	45	543
2	Mason Lake	2	572	1,095	1,421			246
2	Melstone	2	943	2,377	2,230			1,090
1	Mineral Bench	1	616	1,779	1,928			467
2	Miner's Coulee	6	306	1,642		1,735		213
10	Monarch	13	4,491	26,045	25,310			5,226
4	Mosser	4		638		638		
6	Outlook	11	6,494	27,746	27,440			6,800
2	Outlook South	2	1,018	2,231	2,440			809
2	Oultook West	2	1,272	6,908	1,642	5,520		1,018
71	Pennel	117	6,582	158,599	160,440			4,741
5	Pine	129	16,760	313,240	311,299		1,450	17,251
3	Pole Creek	4	669	3,460		3,727		402
71	Pondera	283	7,522	28,019	28,744			6,797
4	Poplar	67	9,459	57,482	58,356		28	8,557
4	Poplar Northwest	5	1,393	1,758	1,292			1,859
2	Prairie Elk	2	1,070	274		789		555
4	Ragged Point	13	2,823	17,749	17,910			2,662
5	Ranch Creek	5	2,126	5,548		4,979	16	2,679
1	Rattlesnake Coulee	1	345	624	558			411
4	Reagan	46	1,110	22,375	22,381			1,104
1	Red Creek	26		25,561	25,163	398		
1	Red Fox	1	361	11,892	11,895			358
1	Redstone	1	834	4,975	5,042			767
1	Repeat	1	536	1,403		1,701		238
3	Reserve	3	348	28,751		29,008		91
1	Richey	1	605	413	690			328
6	Richey Southwest	8	813	7,876	7,858			831
6	Sand Creek	8	2,465	13,020	14,008			1,477
1	Shotgun Creek	1	262	529		564		227
3	Sidney-Brorson	3	1,486	2,369		2,046		1,809
3	Smoke Creek	3	1,291	12,757		12,077		1,971
	Snyder		951					951
6	Soap Creek	17	2,488	6,437		6,350		2,575
1	Spring Lake	1	1,252	2,752		1,655		2,349
2	Stensvad	24	2,884	27,154	25,068			4,970
33	Sumatra	86	10,068	58,424	58,574			9,918
5	Tule Creek	7	2,867	37,861	2,000	36,406		2,322
2	Tule Creek East	2	706	21,529		21,185		1,050
2	Tule Creek South	3	1,234	8,316	5,726	3,032	40	752
2	Vida	2	868	1,942	2,224			586
4	Volt	6	2,378	18,976	18,803			2,551
3	Weed Creek	5	1,925	23,040	22,893		50	2,022
5	Weldon	15	1,633	122,461	122,336			1,758
19	Whitlash	43	7,351	21,455	22,731			6,075
2	Whitlash West	2	508	835	887			456
2	Wills Creek South	2	661	6,530	6,483			708
7	Wolf Springs	10	4,610	12,474	13,438			3,646
4	Woodrow	5	409	3,821	3,886			344
1	Wildcat, Carbon Cty	1	826	361		573		614
4	Wildcat, Glacier Cty	4	245	798		867	9	167
1	Wildcat, Richland Cty	1	1,529	2,766		2,766		1,529
1	Wildcat, Roosevelt Cty	1	176	221		206		191
1	Wildcat, Sheridan Cty	1		3,621		2,792		829
889	Total	3,396	328,208	2,941,370	2,570,682	349,192	3,407	346,297

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1966	35,380,118	96,931	35,353,673	96,859
First Quarter, 1967	8,269,076	91,878	8,253,252	91,702
Second Quarter, 1967	8,227,117	90,407	8,237,583	90,522
July, 1967	2,858,289	92,202	2,848,554	91,888
August, 1967	2,915,955	94,063	2,925,116	94,358
September, 1967	2,941,370	98,045	2,919,874	97,329

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1966	337,546	1,034,375	584,580	1,956,501
March, 1967	345,817	1,086,767	636,377	2,068,961
June, 1967	332,175	1,232,696	846,701	2,411,572
July, 1967	339,981	1,279,902	641,335	2,261,218
August, 1967	328,208	1,225,921	600,931	2,155,060
September, 1967	346,297	987,145	614,613	1,948,055

*Includes Wyoming Oil

TRANSPORTER REPORT—MONTH OF SEPTEMBER, 1967

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			4,000				4,000		
BEAR'S DEN—Truck			1,000					1,000	
BELL CREEK—									
Western Crude Oil, Inc.			33,952				33,952		
Permian Corp.			87,236				87,236		
			121,188				121,188		
BIG WALL—									
Continental Pipeline Co.		25,511				25,511			
BLACKFOOT—									
Camerland Cardinal Corp.			2,406					2,406	
Union Oil Co.		1,404				1,404			
		1,404	2,406			1,404		2,406	
BORDER—Truck			1,628				1,628		
BOWES—Texaco		12,650				12,650			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	378,133	850,918	10,886	791,383			1,739,884		291,436
Shell Pipeline Co.	5,816	333,774			(1,173)			336,913	3,850
	383,949	1,184,692	10,886	791,383	(1,173)		1,739,884	336,913	295,286
CAT CREEK—									
Continental Pipeline Co.		15,421				15,421			
Truck			3,372			3,372			
		15,421	3,372			18,793			
CLARK'S FORK—Truck			182				182		
CUT BANK—									
Continental Pipeline Co.			12,970	366,438				379,408	
Phillips Petroleum Co.	91,748	64,345		92,884	1,705	116,683		67,851	62,738
Texas Pipeline Co.	30,643	105,896		34,278	447			143,622	26,748
Union Oil Co.	90,946	60,540		24,419	(724)	126,256			50,373
Western Oil Trans. Co.		42,891						42,891	
Western Oil Trans. (Moulton)		43,189						43,189	
	213,337	316,861	12,970	518,019	1,428	242,939		676,961	139,859
DELPHIA—Truck			196			196			
DRY CREEK—Truck			343			343			
DWYER—Portal Pipeline Co.		22,532					22,532		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		231,710				231,710			
FAIRVIEW—									
Rock Island Oil & Ref. Co.			33,772				33,772		
FLAT COULEE—									
Camerland Cardinal Corp.		14,834						14,834	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		77,635					77,635		
FRANNIE—Interstate Pipeline Co.		980					980		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	23,986	94,654				28,358		80,938	9,344
GAGE & GAGE S.W.—Truck			300			300			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	11,805	38,380			32			42,576	7,577
GOOSE LAKE—									
Portal Pipeline Co.		65,210					65,210		
HIAWATHA—Truck			18,479				18,479		
HIBBARD—Truck			593			593			
IVANHOE—									
Continental Pipeline Co.		13,292				10,483	2,809		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		21,720				14,088	7,632		
KELLEY—									
Continental Pipeline Co.		11,940				11,940			
KEVIN SUNBURST—									
Big West Oil Co.	3,871	22,211				21,805			5,277
Homestake Oil & Gas Co.	944	1,970				2,395			519
Texas Pipeline Co.	13,350	14,214			316			20,810	6,438
	18,165	39,395			316	24,200		20,810	12,234
LODGE GRASS—Truck			2,966			2,966			
MASON LAKE—									
Continental Pipeline Co.		1,420				1,420			
MACKAY DOME—Truck			520				520		
MELSTONE—									
Continental Pipeline Co.		2,230				2,230			
MOSSER—Truck			638				638		
OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			5,520				5,520		
POLE CREEK—Truck			3,727				3,727		
PONDERA—Phillips Petr. Co.	55,479	30,489			589	41,682			43,697
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	15,498	197,740			2,399			193,055‡	17,784
RAGGED POINT—									
Continental Pipeline Co.		13,222				1,303	11,919		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			1,147				1,147		
Western Crude Oil, Inc.			3,832				3,832		
			4,979				4,979		
RED CREEK—									
Western Oil Transportation Co.		45,451						45,451	
RESERVE—Truck			29,008				29,008		
SHOTGUN CREEK—Truck			564				564		
SIDNEY-BRORSON—Truck			2,046					2,046	
SMOKE CREEK—									
Rock Island Oil & Ref. Co.			12,077				12,077		
SOAP CREEK—Truck			6,350			6,350			
SPRING LAKE—									
Rock Island Oil & Ref. Co.			1,655				1,655		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	494,300	80,722		628,554	9,272	63,765		677,249	453,290
TULE CREEK—									
Tesero Petr. Corp.	9,402		60,623			61,951			8,074
WEED CREEK—									
Continental Pipeline Co.		22,897				22,897			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		24,193				21,343		2,850	
WOLF SPRINGS—									
Continental Pipeline Co.		13,438				13,438			
WILDCAT WELLS—Truck			7,204				7,204		
TOTALS	1,225,921	2,620,623	349,192	1,937,956	12,863	862,853	2,173,742	2,097,089	987,145

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1967

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall				25,511						25,511
Bowes			9,752							9,752
Cat Creek		9,877				4,875				14,752
Cut Bank				3,000			95,145		107,958	206,103
Delphia						525				525
Dry Creek						88				88
Elk Basin		93,745		58,406	79,558					231,709
Gage & Gage S.W.						598				598
Hibbard						419				419
Ivanhoe		10,483								10,483
Keg Coulee				14,088						14,088
Kelley					11,940					11,940
Kevin Sunburst	34,673									34,673
Lodge Grass		2,966								2,966
Mason Lake		1,420								1,420
Melstone				2,230						2,230
Pondera							41,682			41,682
Ragged Point				1,303						1,303
Sand Creek						1,429				1,429
Soap Creek		6,350								6,350
Sumatra & Stensvad		14,685		49,080	14,211					77,976
Tule Creek								61,951		61,951
Weed Creek					22,897					22,897
Whitlash	23,770						21,343			45,113
Wolf Springs					13,438					13,438
Total Montana Oil	58,443	139,526	9,752	153,618	142,044	7,934	158,170	61,951	107,958	839,396
Canadian Oil Imported		366,438								366,438
Wyoming Oil Imported		461,329		498,183	1,124,344					2,083,856
Total Montana, Canadian, and Wyoming Oil	58,443	967,293	9,752	651,801	1,266,388	7,934	158,170	61,951	107,958	3,289,690

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1966	29,111	12,832	49,643	91,586
September, 1966	29,901	8,917	56,384	95,202
September, 1967	27,979	12,216	69,461	109,656

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
31.78%	14.02%	54.20%
31.40%	9.38%	59.22%
25.51%	11.15%	63.34%